

AMENDMENTS TO THE CLAIMS:

Please amend claims 1,2, 3, 4, 5, 6, 7, 8, 9, 10-11 and 12.

Please add new claims 13-20 as follows.

1. (Currently Amended) Method ~~and system~~ for visually detecting paint gloss deviations, particularly a fogginess and mottling of the paint in a surface paint coat of a vehicle by means of an illuminating system illuminating the vehicle, comprising the steps:

~~characterized in that the illuminating outer surfaces (F1) of the two vehicle sides of the vehicle as well as additional surfaces (F3, F5 and F2, F4) of the a forward and rearward vehicle body portion (15, 16) are illuminated by light beaming devices (1 to 4; 5 to 8) of the an illuminating system in a partially areal manner; and,~~

~~observing said outer surfaces and said additional surface along at least one marked path, said observing occurring at a distance (a) from the vehicle (F) at predefined viewing ranges and defined viewing positions (S1 to S6), an observation of these surfaces (F1 to F5) can be carried out on a marked path (10, 11).~~

2. (Currently Amended) Method according to Claim 1, wherein ~~characterized in that the at least one marked path (10) consists of a semicircle to around the lateral surfaces (F1) of the vehicle and an adjoining segment (11) of a circle to the forward and rearward vehicle body 15, 16, and, on the said at least~~

one path (10,11), the defined viewing positions (S1 to S6) are assigned to the light beaming devices (1 to 8), and wherein there are additional positions for looking at the outer and additional vehicle surfaces (F1 to F5) exist between these said defined viewing positions (S1 to S6) on the one of said at least one marked path.

3. (Currently Amended) System for implementing the method according to ~~Claims 1 or 2,~~

~~characterized in that~~ claim 1, said system comprising an arrangement of each of the light beaming devices (5, 6) ~~are in each case arranged~~ at a distance from both sides of the vehicle (F) in ~~the~~ a longitudinal vehicle center plane (Y-Y) for the lateral vehicle surface (F1), and approximately in ~~the~~ a transverse vehicle center plane (X-X) for the forward and rearward vehicle body (15, 16) portions.

4. (Currently Amended) System for implementing the method according to ~~one of the preceding claims~~ claim 2, said system comprising:

an arrangement of at least one of said defined ~~characterized in that~~ the viewing positions (S1 and S4) ~~are arranged~~ on the marked path (10) directly behind at least two of the light beaming devices (5, 6) in the transverse center plane (X-X) of the vehicle, and

an arrangement of the additional viewing positions (S2, S3, S5 and S6) for at least two other of the light beaming devices (7, 8) which are assigned to the forward and rearward vehicle body part, said additional view positions arranged

~~(15, 16) are arranged in the a longitudinal vehicle center plane (Y-Y) in each case on both sides of these said at least two other light beaming devices (7, 8) on the path (11) one of said at least two marked paths.~~

5. (Currently Amended) System according to Claim 3, ~~or 4, wherein~~
~~characterized in that the a light beam of the respective at least two other light beaming device (7, 8) impinges approximately in the center of the forward and rearward vehicle body (15, 16) as well as of the lateral vehicles surfaces (F1), and the wherein light cones (L3 and L4) of the each of said light beaming devices (5, 6, 7 and 8) comprise include the entire length of the lateral outer vehicle surfaces (F1) and the at least two of the additional surfaces (F4 and F5) of the forward and rearward vehicle body (15, 16).~~

6. (Currently Amended) System according to ~~Claims 3, 4 or 5, claim 4,~~
wherein
~~characterized in that the a viewing range from the each lateral viewing positions (S1, S4) on the marked path (10), ~~on the one hand, (something is missing in the German translator)~~ supplement each other to cover the entire lateral vehicle surface (F1) and, ~~on the other hand,~~ and overlap one another with the viewing ranges from the forward ones of the viewing positions (S5 and S6) and the rearward ones of the viewing positions (S2 and S3) onto the forward and rearward vehicle body (15, 16).~~

7. (Currently Amended) System for implementing the method according to ~~one of the preceding claims, claim 1, said system comprising:~~

~~an arrangement of characterized in that~~ two mutually spaced light beaming devices (1, 2 and 3, 4) are arranged on each lateral surface (F1) of the vehicle (F), ~~whose said two spaced light beaming devices having~~ light cones (L1, L2) which mutually intersect on the lateral surface (F1), and

illumination means for illuminating the lateral outer vehicle surface as well as at least two of said additional surfaces ~~the surfaces~~ (F4 and F5) of the forward and rearward vehicle body (15, 16) ~~can be illuminated to the along a~~ longitudinal vehicle center plane (Y-Y).

8. (Currently Amended) System according to Claim 7, wherein ~~characterized in that~~ the viewing positions (S1, S4) on the marked path (10) for each vehicle side are in each case provided between the two of said light beaming devices (1, 2 and 3, 4) approximately in ~~the a~~ transverse vehicle center plane (X-X), and the viewing range, in each case, extends over a partial area of the lateral surface (F1) and intersects with the viewing ranges from the forward and rearward ones of said viewing positions (S5, S6 and S2, S3) on the lateral surfaces (F1).

9. (Currently Amended) System according to ~~one of the preceding claims~~,
claim 1, wherein

~~eharaeterized in~~ that the light beaming devices (8) for the forward vehicle surface (F5) are aligned such that the light beam is aligned approximately at an angle \pm of 20° with respect to the ground and impinges in ~~the a~~ center on ~~the a~~ surface to be checked.

10. (Currently Amended) System according to ~~one of the preceding claims~~,
claim 1, wherein

~~eharaeterized in~~ that the light beaming device (7) for the rearward vehicle surface (F4) is aligned such that ~~the a~~ light cone is aligned approximately in the center at an angle of $\pm = 15^\circ$ with respect to the ground and, in the vertical direction, impinges on a upward-curved area of the rear part, and the light cone covers the lower edge of the rear window.

11. (Currently Amended) System according to ~~one of the preceding claims~~,
claim 1, wherein

~~eharaeterized in~~ that the light beaming device (8) on the forward vehicle body (15) is aligned such that ~~the a~~ light cone impinges in the vertical direction on the upward-curved area of the forward part, and the light cone partially covers the vehicle hood.

12. (Currently Amended) System according to one of the preceding claims, claim 1, wherein

~~eharaeterized in that the laterally arranged ones of said~~ light beaming devices (1, 2, 5) are aligned at an angle of 90° with respect to the ground, and ~~the a~~ light cone extends in the vertical direction approximately from ~~the a~~ vehicle side member to ~~the a~~ belt line of the vehicle (F).

13. (New) System for implementing the method according to claim 2, said system comprising an arrangement of each of the light beaming devices at a distance from both sides of the vehicle (F) in a longitudinal vehicle center plane (Y-Y) for the lateral vehicle surface (F1), and approximately in a transverse vehicle center plane (X-X) for the forward and rearward vehicle body portions.

14. (New) System for implementing the method according to claim 3, said system comprising:

an arrangement of at least one of said defined viewing positions on the marked path directly behind at least two of the light beaming devices in the transverse center plane (X-X) of the vehicle, and

an arrangement of the additional viewing positions for at least two other of the light beaming devices which are assigned to the forward and rearward vehicle body part, said additional view positions arranged in a longitudinal vehicle center plane in each case on both sides of said at least two other light beaming devices on one of said at least two marked paths.

15. (New) System according to claim 5, wherein
a viewing range from each lateral viewing positions (S1, S4) on the marked path
supplement each other to cover the entire lateral vehicle surface and overlap one
another with the viewing ranges from the forward ones of viewing positions (S5
and S6) and the rearward ones of the viewing positions (S2 and S3) onto the
forward and rearward vehicle body.

16. (New) System for implementing the method according to
claim 2, said system comprising an arrangement of
two mutually spaced light beaming devices on each lateral surface (F1) of the
vehicle (F), said two spaced light beaming devices having light cones (L1, L2)
which mutually intersect on the lateral surface (F1), and
illumination means for illuminating the outer vehicle surface as well as at least
two of said additional surfaces (F4 and F5) of the forward and rearward vehicle
body along a longitudinal vehicle center plane (Y-Y).

17. (New) System according to claim 2, wherein
the light beaming devices for the forward vehicle surface (F5) are aligned such
that the light beam is aligned approximately at an angle of 20° with respect to
the ground and impinges in a center on a surface to be checked.

18. (New) System according to claim 2, wherein
the light beaming device for the rearward vehicle surface (F4) is aligned such
that a light cone is aligned approximately in the center at an angle of 15° with
respect to the ground and, in the vertical direction, impinges on a upward-curved
area of the rear part, and the light cone covers the lower edge of the rear
window.

19. (New) System according to claim 2, wherein
the light beaming device on the forward vehicle body is aligned such that a light
cone impinges in the vertical direction on the upward-curved area of the forward
part, and the light cone partially covers the vehicle hood.

20. (New) System according to one claim 2, wherein
laterally arranged ones of said light beaming devices are aligned at an angle of
90° with respect to the ground, and a light cone extends in the vertical direction
approximately from a vehicle side member to a belt line of the vehicle (F).